10/29/03 15:06 FAX 514 286 5474 OGILVY RENAULT 031

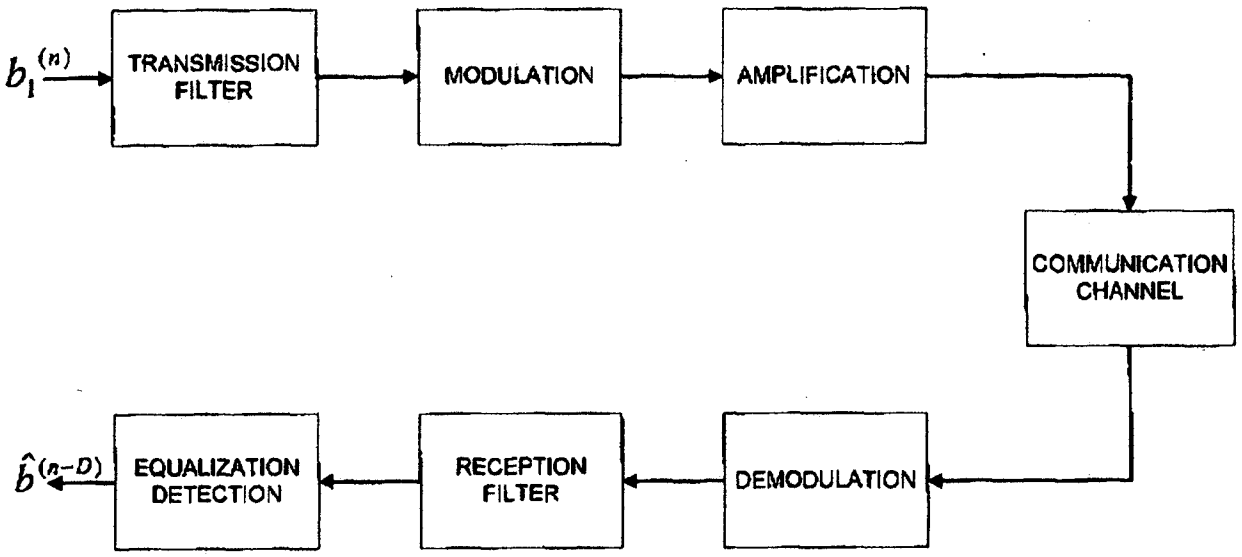

FIGURE 1

10/29/03 15:07 FAX 514 286 5474 OGILVY RENAULT 032

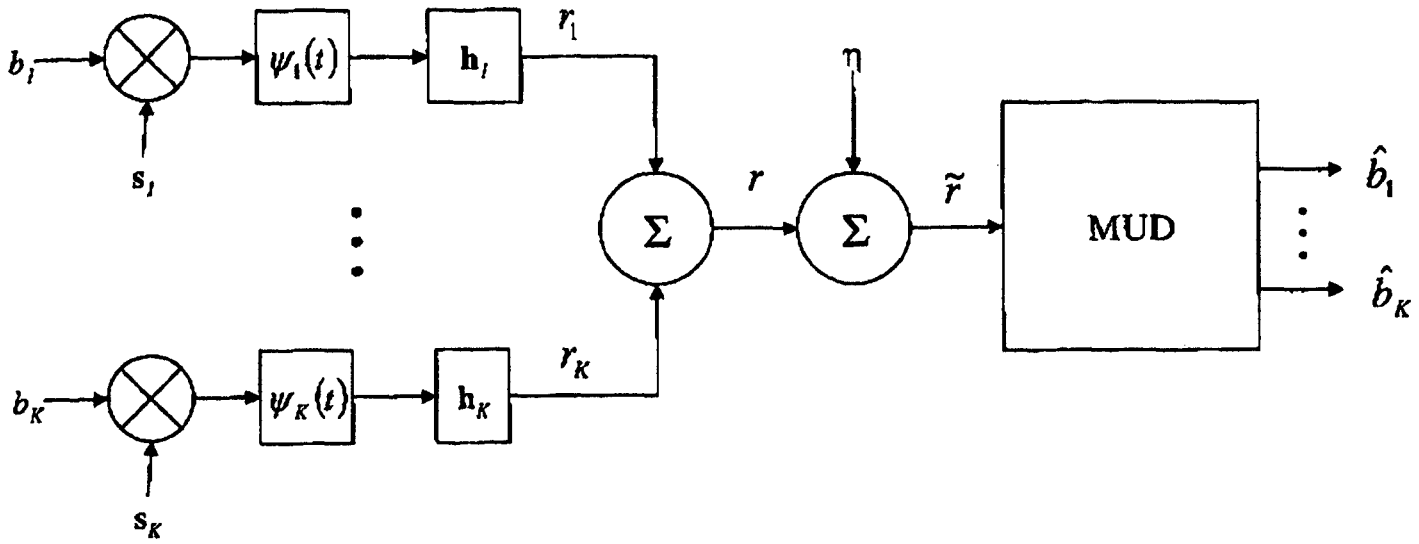

FIGURE 2

10/29/03 15:07 FAX 514 286 5474 OGILVY RENAULT 033

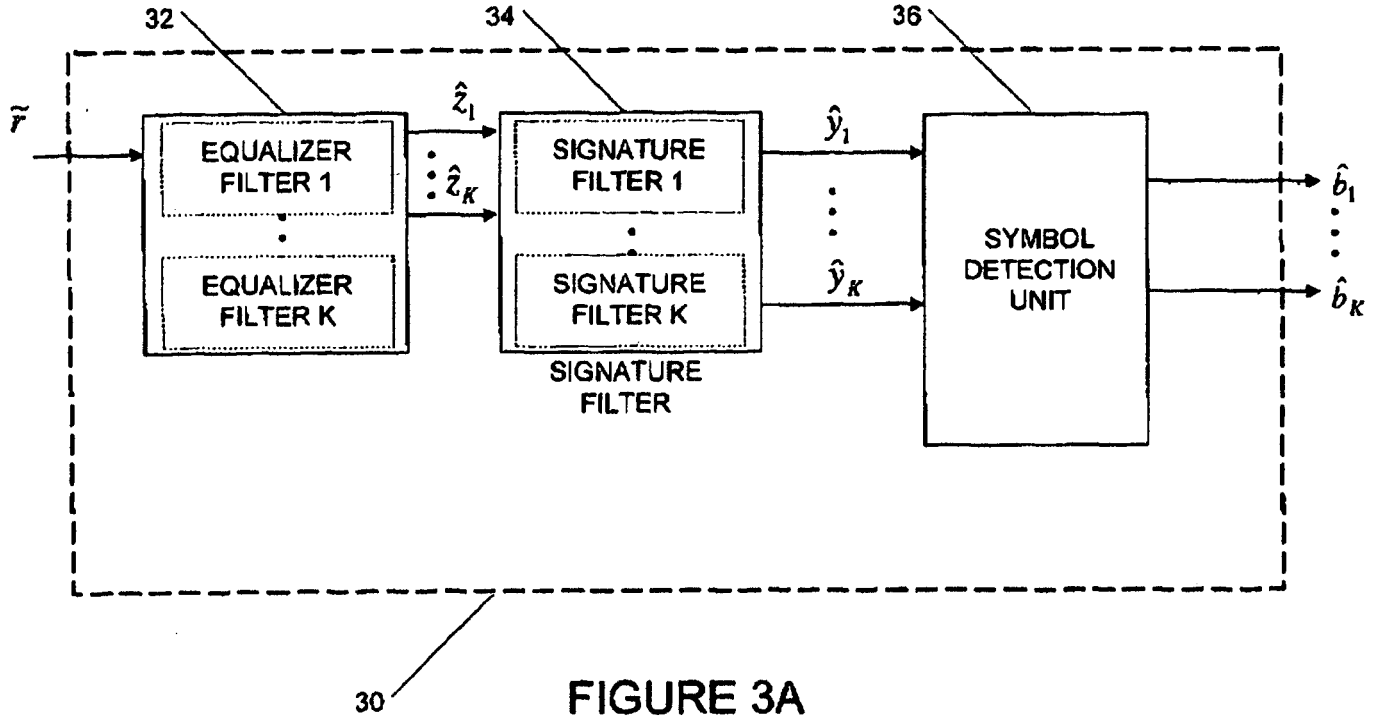

FIGURE 3A

10/29/03 15:07 FAX 514 286 5474 OGILVY RENAULT 034

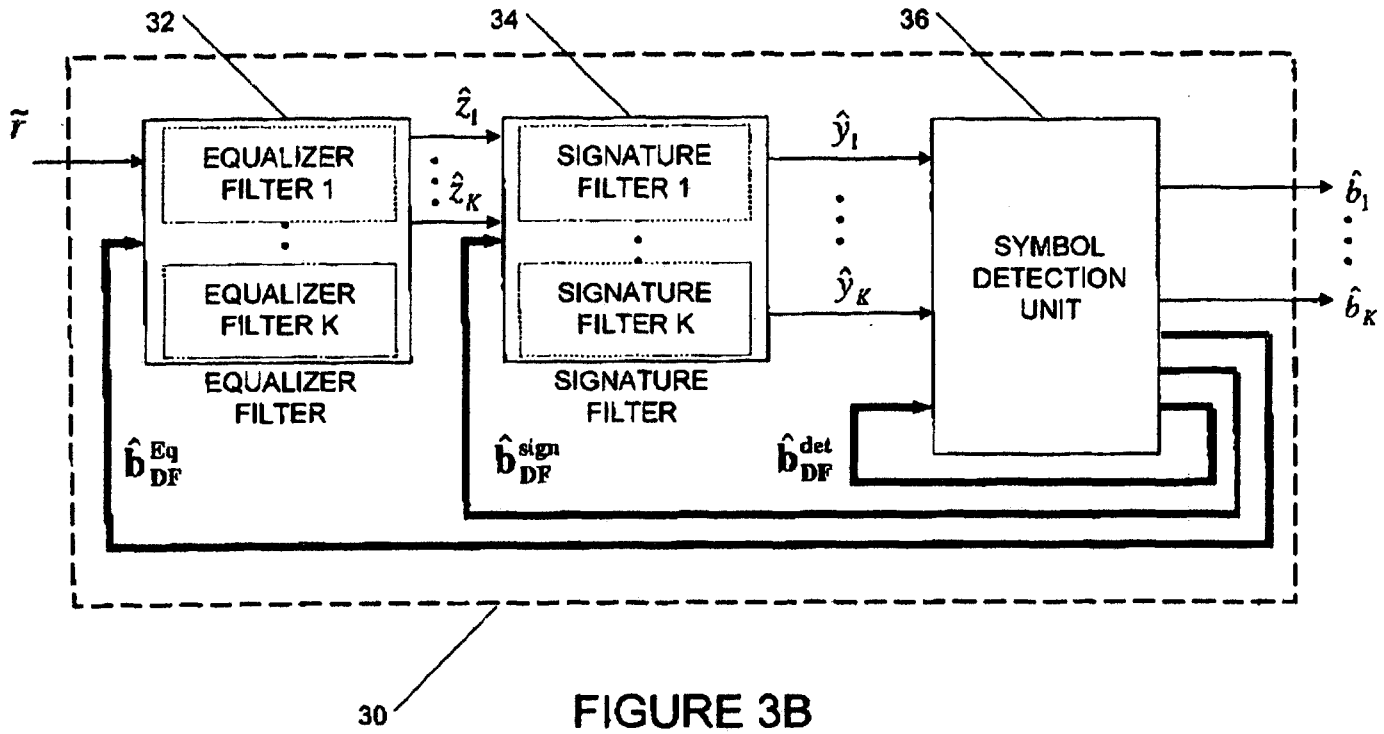

FIGURE 3B

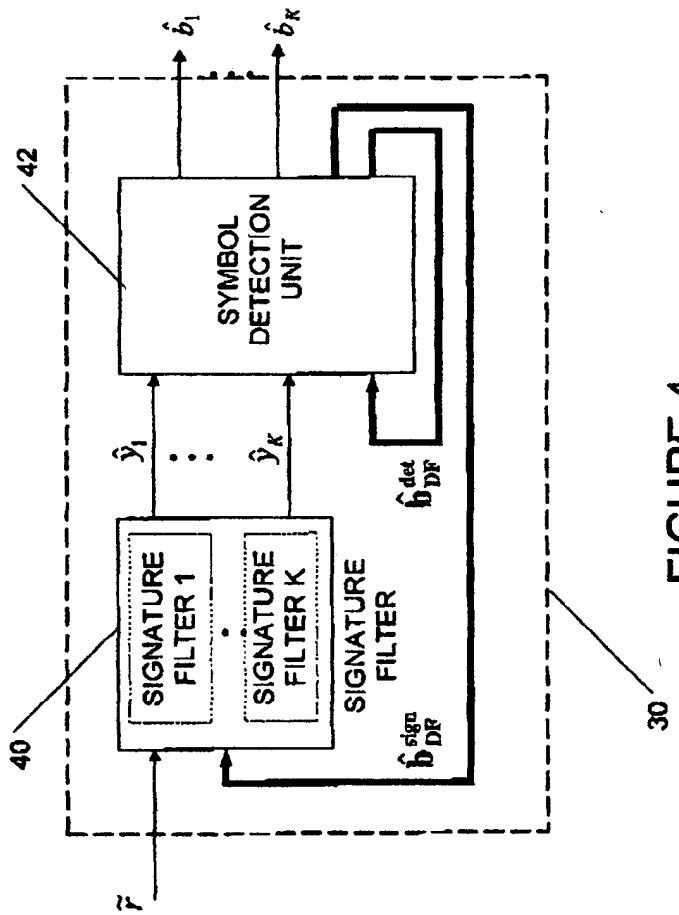
SYMBOL DETECTION UNIT
42
SIGNATURE FILTER 1
SIGNATURE FILTER K
SIGNATURE FILTER
40
30

FIGURE 4

10/29/03 15:07 FAX 514 286 5474 OGILVY RENAULT 036

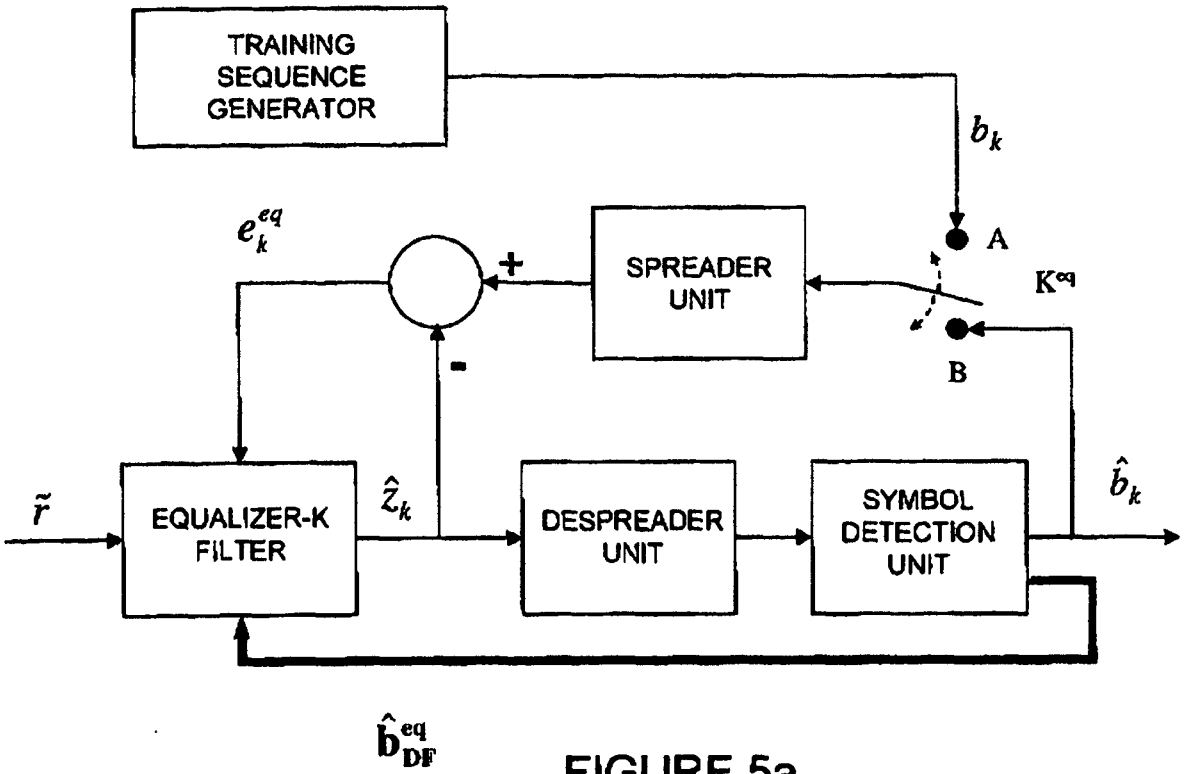

FIGURE 5a

10/29/03 15:07 FAX 514 286 5474 OGILVY RENAULT 037

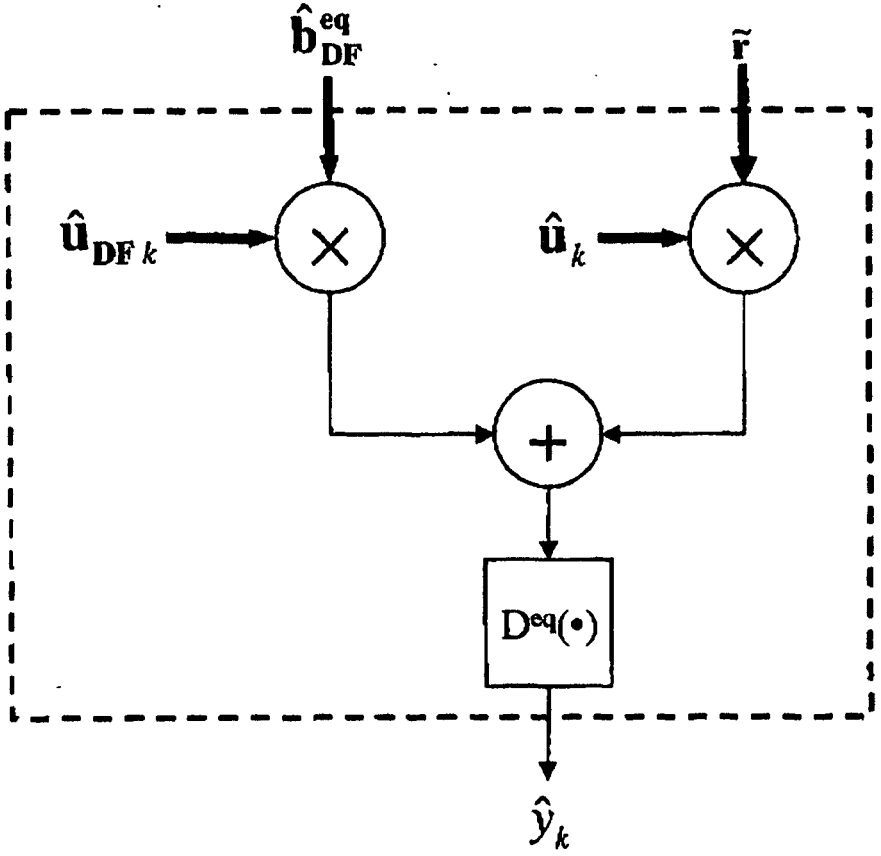

FIGURE 5B

038
10/29/03 15:07 FAX 514 286 5474 OGILVY RENAULT

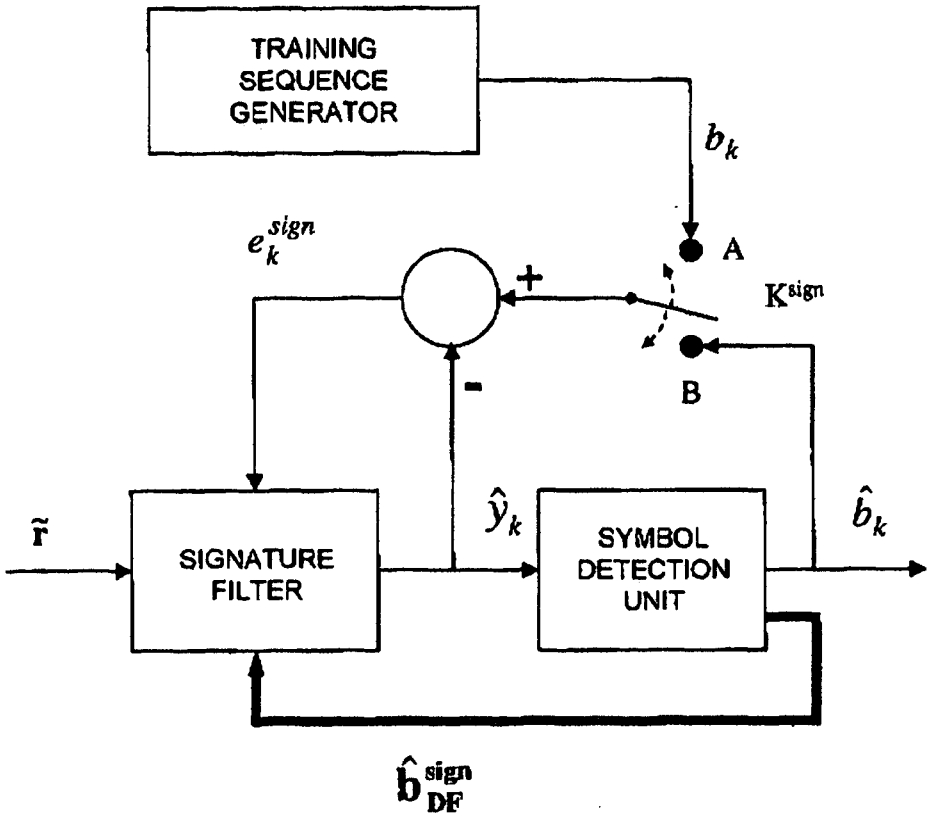

FIGURE 6A

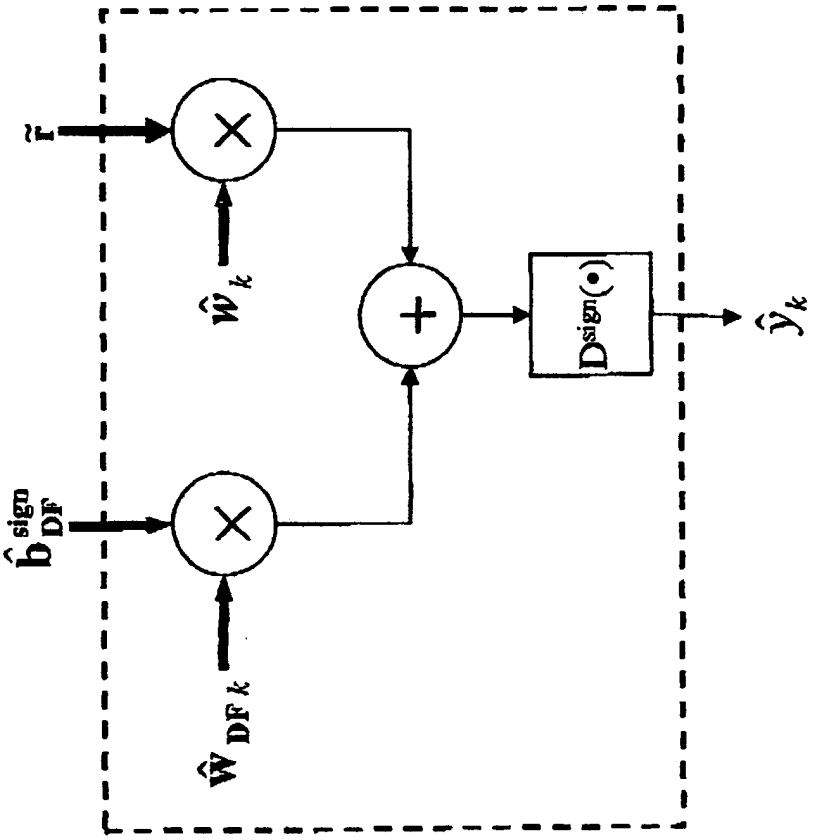

FIGURE 6B

040
OGILVY RENAULT
10/29/03 15:08 FAX 514 286 5474

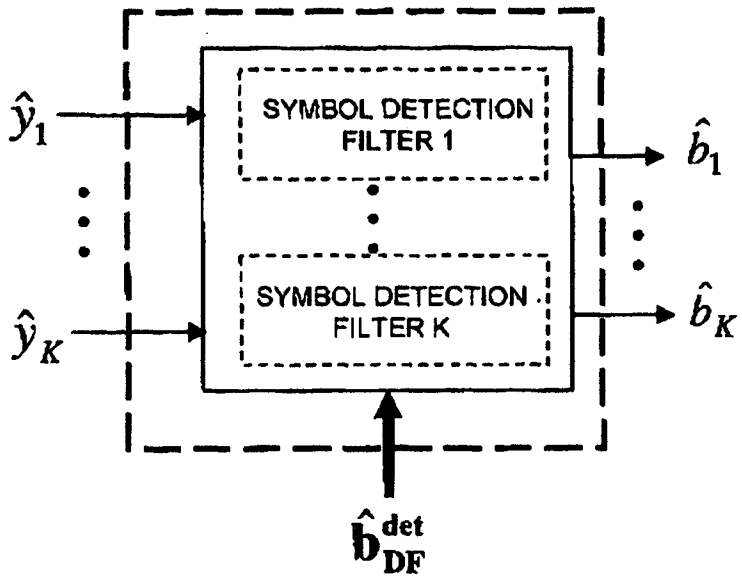

FIGURE 7

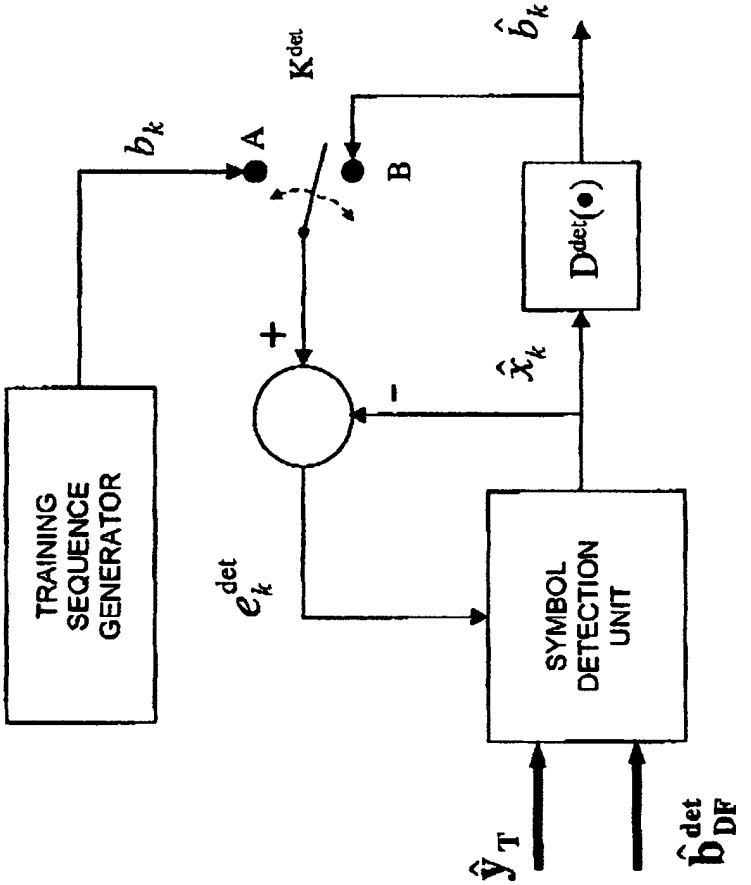
TRAINING SEQUENCE GENERATOR
b_k
A
B
K^{det}
$\hat{b}_k$
$D^{det}(\bullet)$
$\hat{x}_k$
+
-
e_k^{det}
SYMBOL DETECTION UNIT
$\hat{y}_T$
$\hat{b}_{DF}^{det}$

FIGURE 8A

10/29/03 15:08 FAX 514 286 5474 OGILVY RENAULT 042

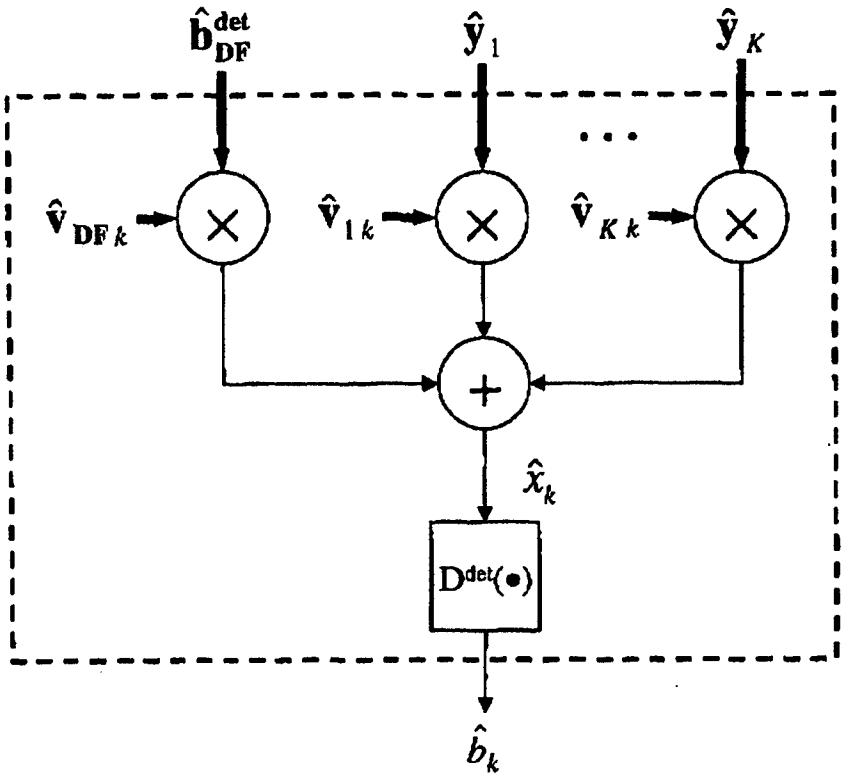

FIGURE 8B

10/29/03 15:09 FAX 514 286 5474 OGILVY RENAULT 043

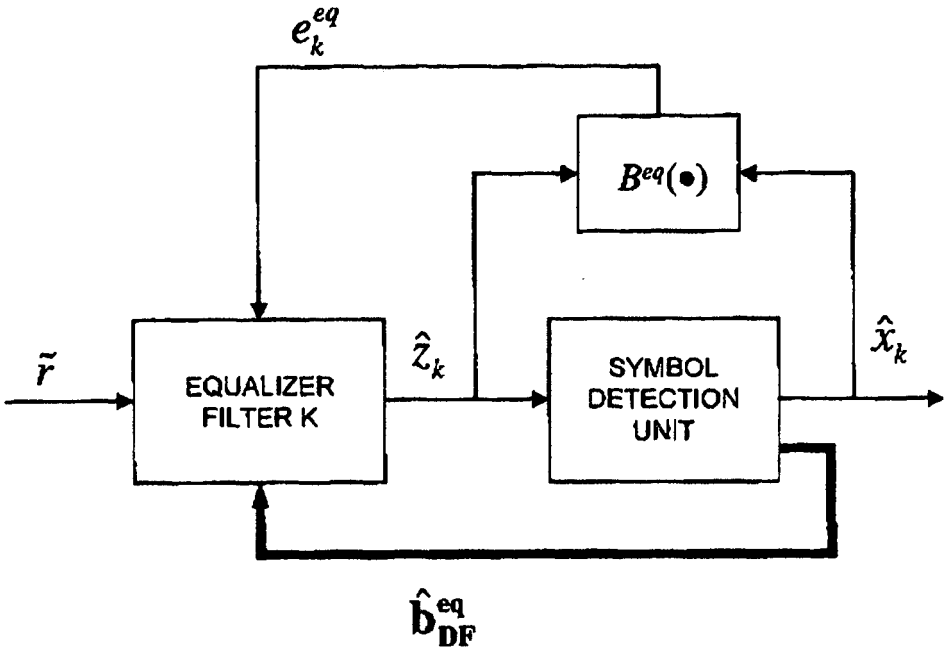

FIGURE 9A

10/29/03 15:09 FAX 514 286 5474 OGILVY RENAULT 044

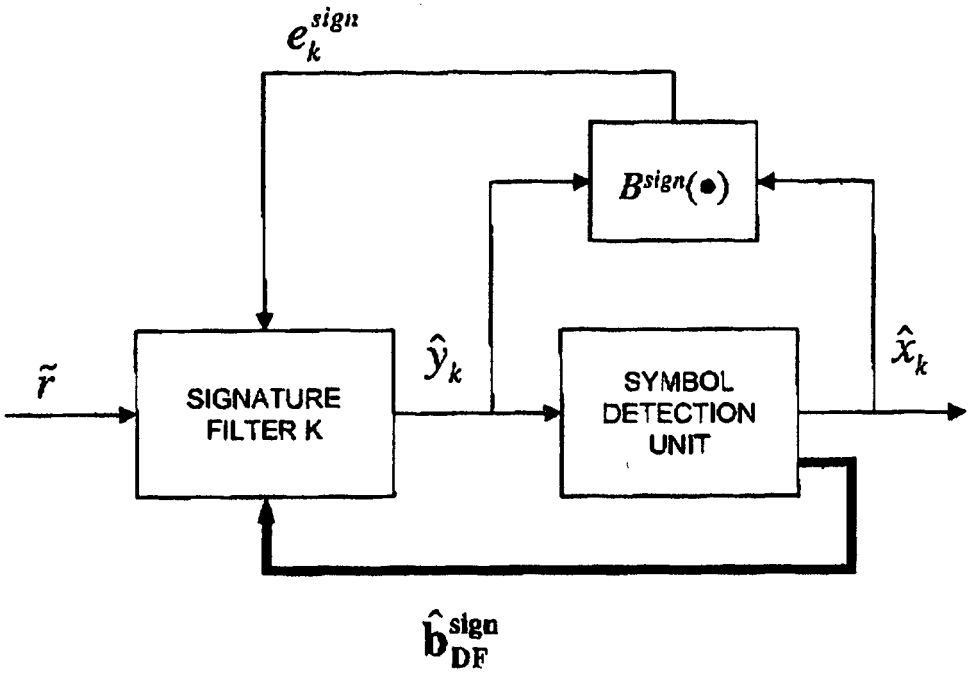

FIGURE 9B

10/29/03 15:09 FAX 514 286 5474 OGILVY RENAULT 045

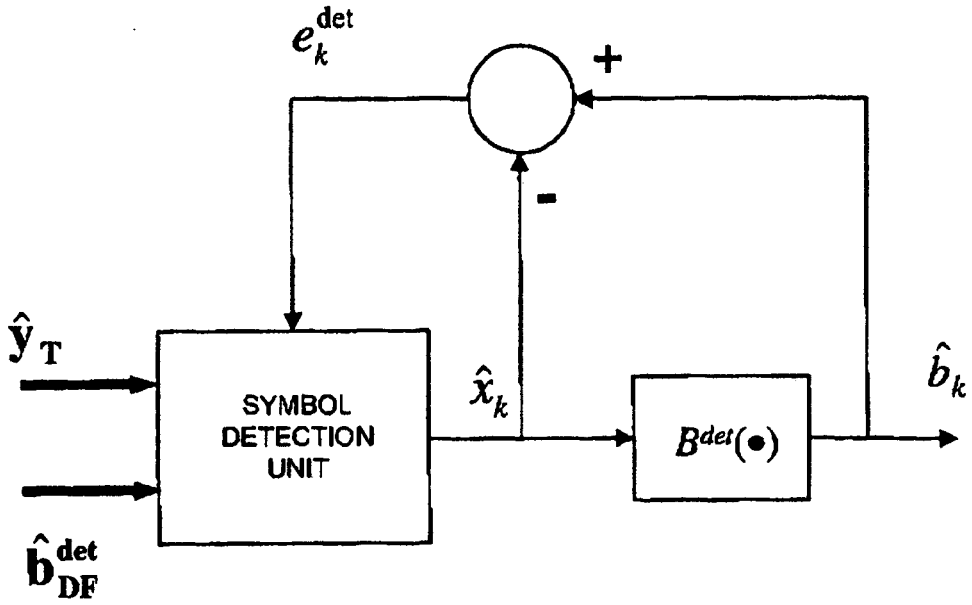

FIGURE 9C

10/29/03 15:09 FAX 514 286 5474 OGILVY RENAULT 046

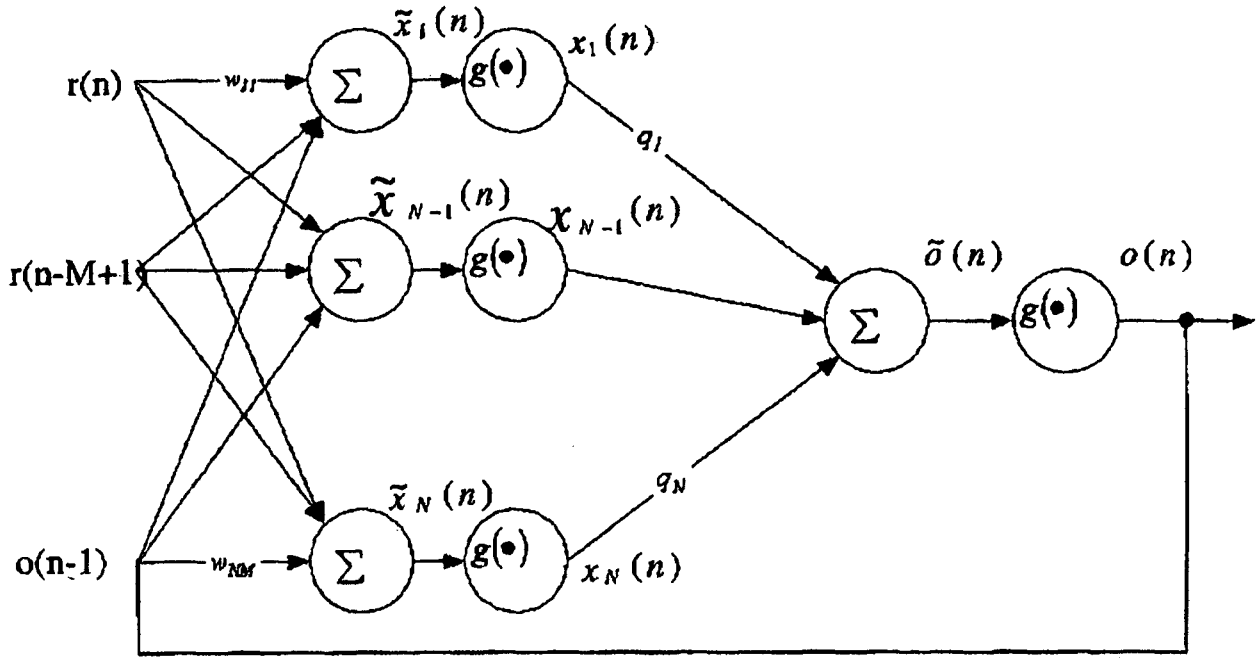

FIGURE 10

10/29/03 15:09 FAX 514 286 5474 OGILVY RENAULT 047

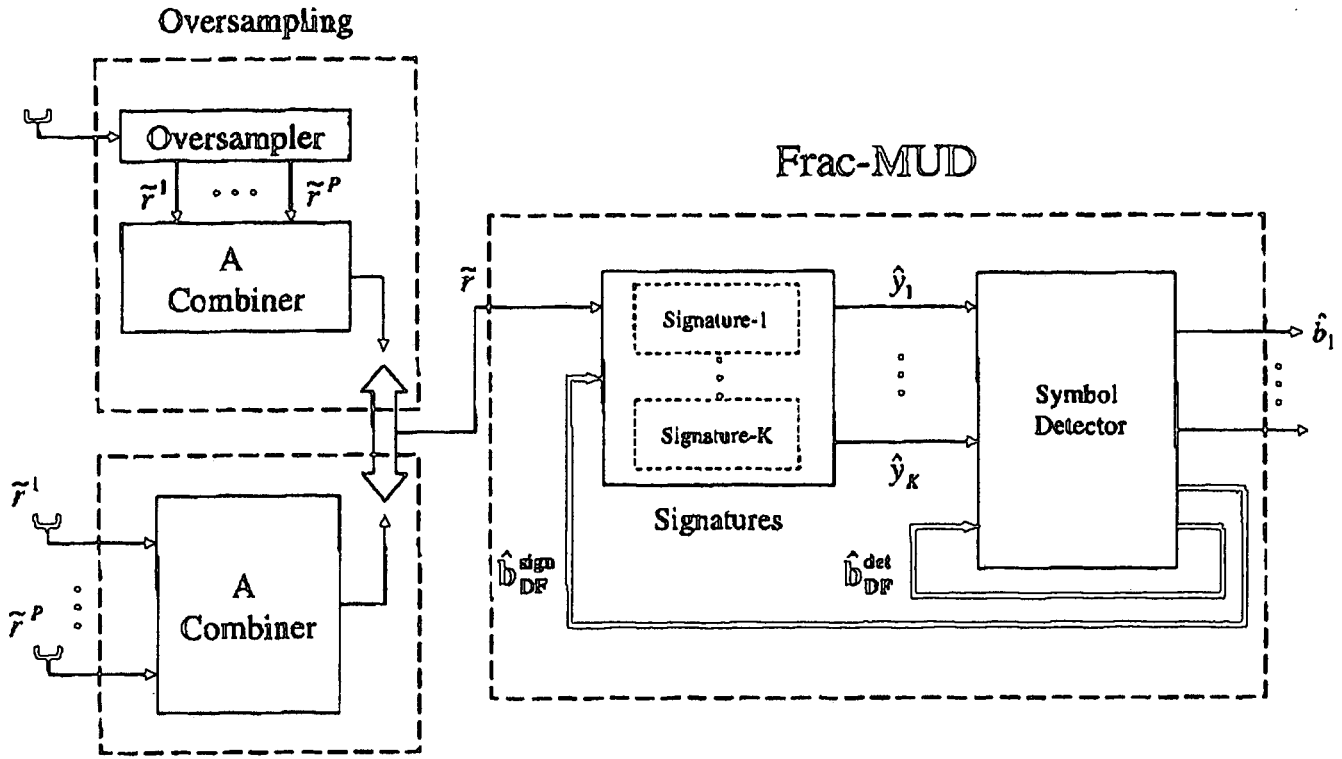

FIGURE 11A

10/29/03 15:09 FAX 514 286 5474 OGILVY RENAULT 048

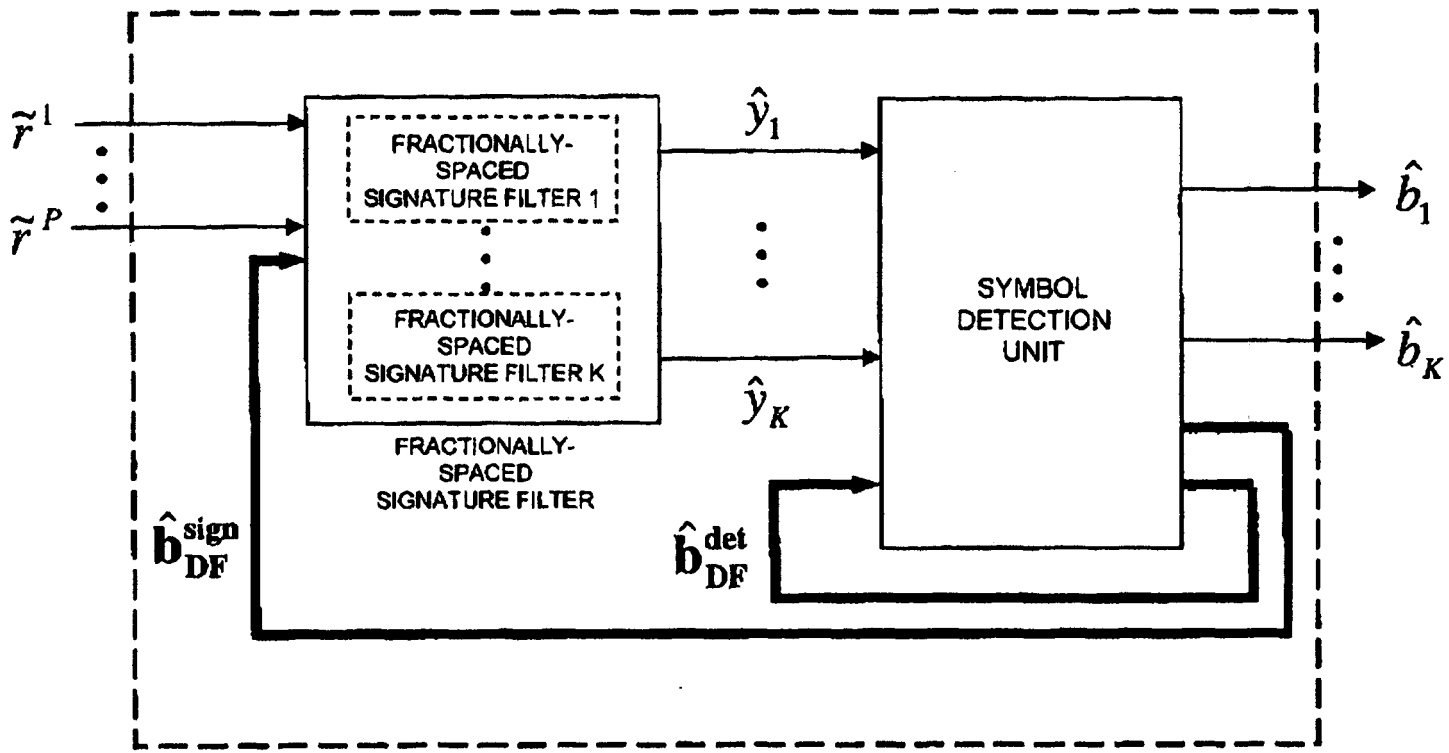

FIGURE 11B

10/29/03 15:09 FAX 514 286 5474 OGILVY RENAULT 048

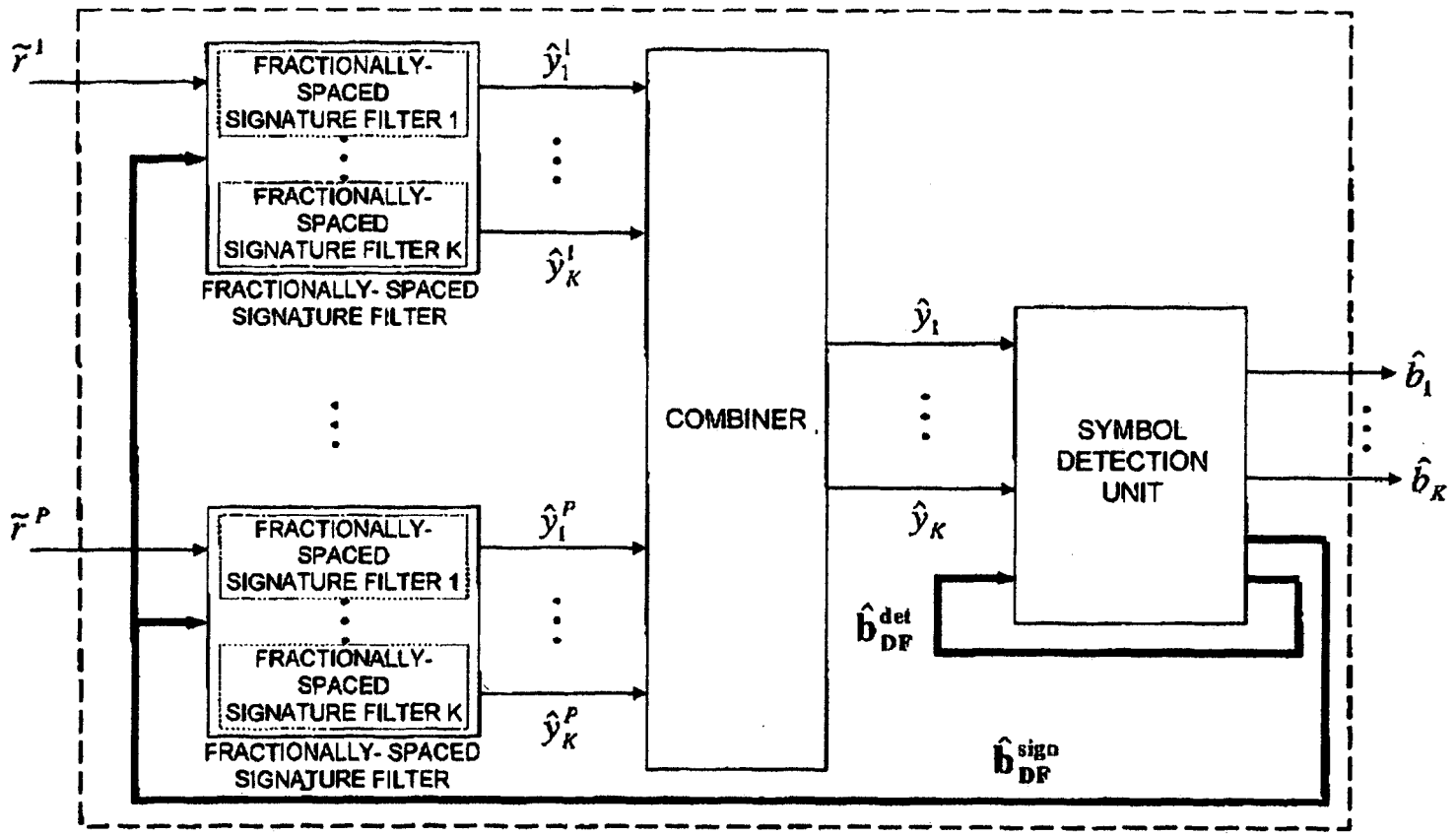

FIGURE 11C

050
10/29/03 15:10 FAX 514 286 5474 OGILVY RENAULT

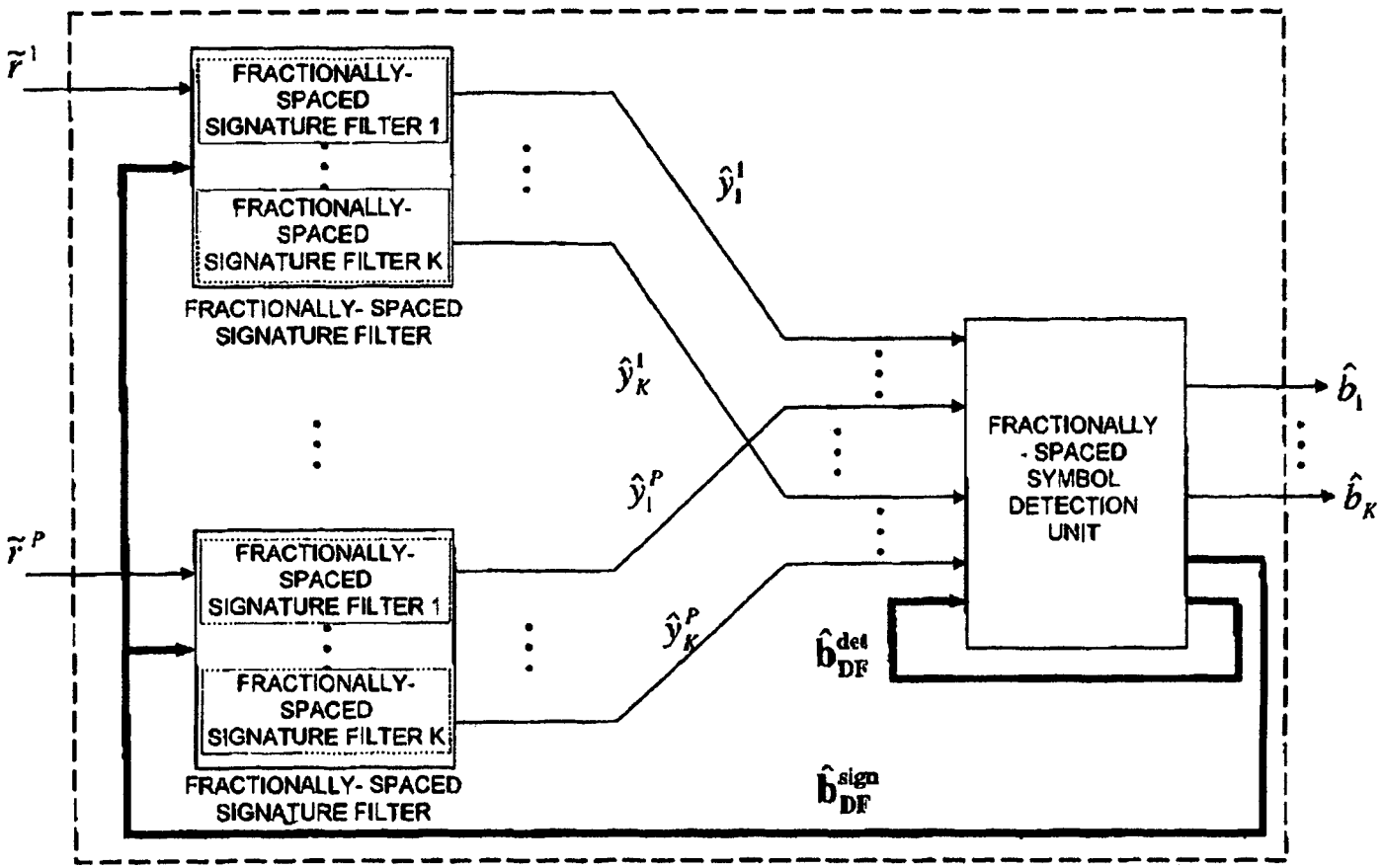

FIGURE 11D

10/29/03 15:10 FAX 514 286 5474 OGILVY RENAULT 051

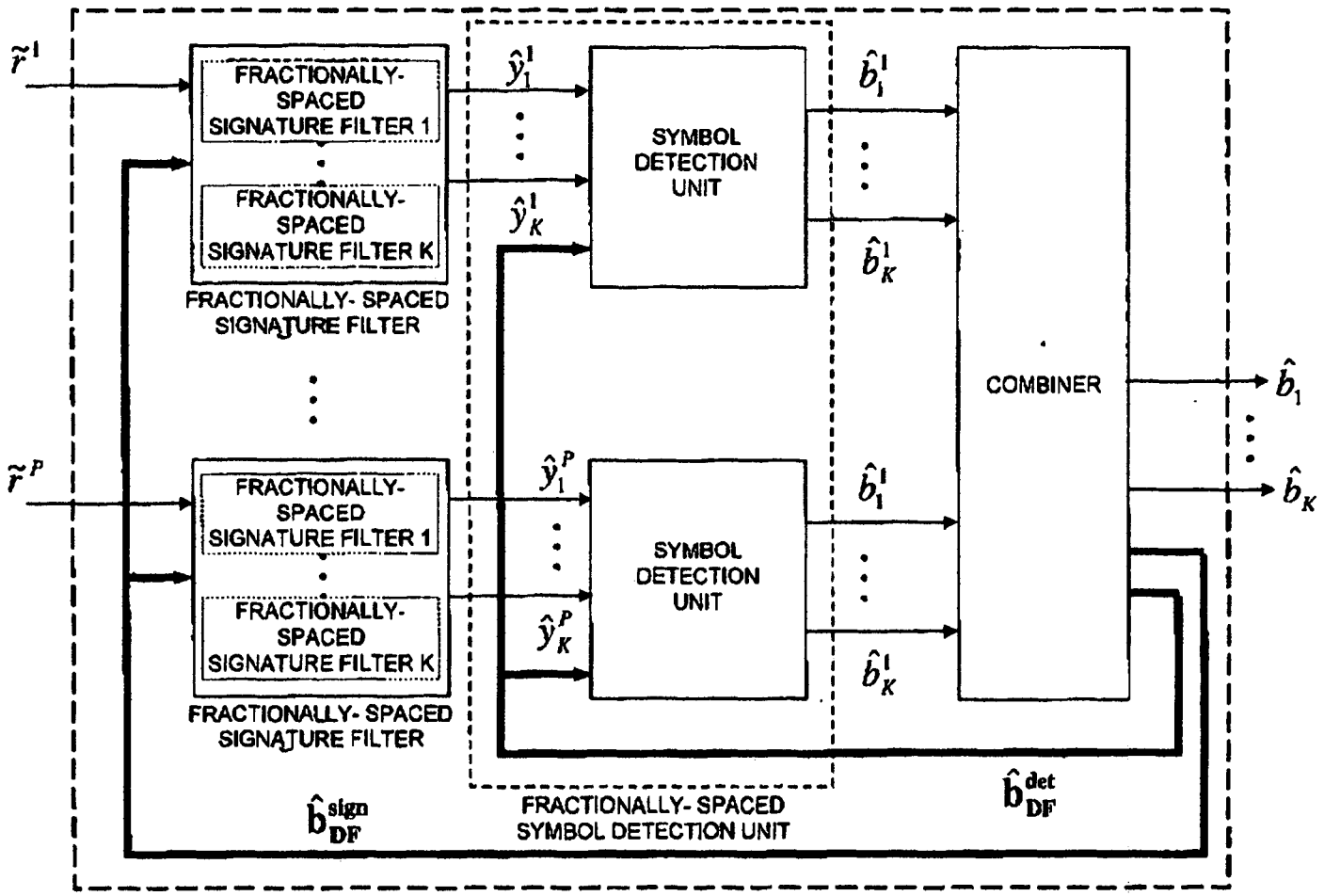

FIGURE 11E